

Customer Name \_\_\_\_\_

Customer P.O. No. \_\_\_\_\_

Eriez Order No. \_\_\_\_\_

**E-Z TEC DSP METAL DETECTOR SPECIFICATION SHEET FOR A CONVEYOR SYSTEM**

A. Contaminants to be detected & size: Fe \_\_\_\_, Al \_\_\_\_, Br \_\_\_\_, Cu \_\_\_\_, Stn. Steel \_\_\_\_

B. Product Description \_\_\_\_\_

C. Product Characteristics:

- Dry  Wet
- Damp \_\_\_\_% of Moisture
- Min \_\_\_\_°F Max \_\_\_\_°F  
(if above 150°F, a hi-temp liner is required)
- Loose  Packaged
- Density \_\_\_\_ PCF
- Volume \_\_\_\_/Hr.
- Feed Rate \_\_\_\_ TPH Vol/Hr.
- Weight \_\_\_\_ lbs.

F. Metal Detector:

- Aperture: Height: \_\_\_\_ inches
- Width: \_\_\_\_ inches
- Location:  Indoors  Outdoors

G. Controls:

- Indoors  Outdoors
- Integral  Remote
- If remote, Cable Length: \_\_\_\_\_
- Enclosure: NEMA/IP \_\_\_\_\_

D. Package/Container: L \_\_\_\_ W \_\_\_\_ H \_\_\_\_ Dia. \_\_\_\_

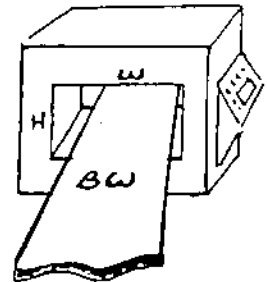
- Container, Foil  Yes  No
- Cardboard  Yes  No
- Recycled  Yes  No
- Weight \_\_\_\_ Lbs.
- Spacing of Product \_\_\_\_ min. \_\_\_\_ max.

H. E-Z Link:

- Yes  No

E. Environment:

- Temp: low \_\_\_\_°F, high \_\_\_\_°F
- Humidity: low \_\_\_\_%, high \_\_\_\_%
- Is static electricity present?  Yes  No
- Washdown:  City Water (under 50 psi)  Hi-Pressure (over 50 psi)
- Explosive:  Yes  No
- Available power: \_\_\_\_ Volts \_\_\_\_ Cycle \_\_\_\_ Phase
- Radios, VFC Metal Detectors or Inverters in area?  Yes  No



**II. CONVEYOR SPECIFICATIONS: (SEE SPECIFICATION SHEET MD-30)**

**CUSTOMER GUIDELINES**

III. **\*\*APERTURE SELECTION GUIDELINES:** Aperture height equals burden depth or container height +3 inches  
Aperture width equals belt width +2 inches

**IV. INTERNAL USE:**

E-Z Tec DSP

- Liner:  High Temp  Standard (Product Temp. <150°F)  Hi-Pressure Wash Down (over 50 psi)
- Photo to be Taken:  Yes  No
- Constant voltage transformer:  Yes  No
- Heat strip:  Yes  No
- Nitrogen Purge Fittings Required?  Yes  No

\_\_\_\_\_  
Headquarters or Field Office Signature

\_\_\_\_\_  
Customer Signature

Customer Name \_\_\_\_\_

Customer P.O. No. \_\_\_\_\_

Eriez Order No. \_\_\_\_\_

**METAL DETECTOR CONVEYOR SPECIFICATION SHEET**

A. Product: \_\_\_\_\_

- B. Belts:
- Width \_\_\_\_\_ inches
- Types:  FDA  USDA  Intralox  
 PVC  Urethane  
 Plastic Chain  V-Guide
- Sided:  Yes  No
- Height: \_\_\_\_\_ inches
- Cleated:  Yes  No
- Height: \_\_\_\_\_ inches
- Side Guides:
- Yes  No
- Height: \_\_\_\_\_ inches
- Vertical/Horizontal Adjustable

- G. Conveyor Style:
- Floor mounted  
 Ceiling suspended

- H. Castors:
- Swiveled & fixed  
 All swiveled  
 Lock down supports

- I. Height dimensions:
- Infeed height above floor \_\_\_\_\_ inches  
 Outfeed height above floor \_\_\_\_\_ inches  
 Conveyor length \_\_\_\_\_ feet  
 If angled, floor length \_\_\_\_\_

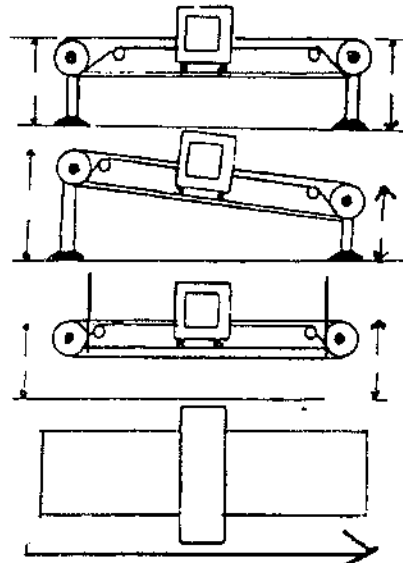
- J. Reject Mechanisms:
- 90° Reject Flip Gate  
 Draw Bridge Flip Gate  
 Remote Draw Bridge  
 Adjustable Gate  
 Water Jets Gate  
 Pusher Arm  
 Diverter Arm  
 Overhead Piston Drive  
 Air Blast  
 Stop the Belt  
 Stop Belt & Alarm  
 Beacon  
 Horn  
 Beacon only  
 Horn only  
 Reverse Belt  
 Retraction Head  
 Ink Marking

- C. Motor:
- AC  DC  
 TEFC  TENV  
 Washdown

- D. Power:
- Voltage \_\_\_\_\_  
 Cycle \_\_\_\_\_  
 Phase \_\_\_\_\_

- E. Conveyor Speed:
- Fixed \_\_\_\_\_ FPM  
 Variable\*\* \_\_\_\_\_ FPM to \_\_\_\_\_ FPM  
 Shift Register with tach options

- F. Controls:
- Attached to Conveyor  
 Remote \_\_\_\_\_ Ft. of Cable  
 NEMA/IP \_\_\_\_\_



Indicate the following on the sketch above:

- A. Metal Detector control location  
 B. Conveyor control location  
 C. Location of Reject System  
 D. Direction of Reject System  
 E. Location of Power Supply  
 F. Location of Motor

- K. Conveyor Transfer Options:
- Nose roller,  Nose plate  
 Infeed  
 Outfeed

**INFORMATION BELOW FOR INTERNAL USE ONLY**

- Pulleys:  Lagged carbon  Stainless steel  Carbon  Plastic sprocketed
- End Caps:  Plastic  Capped  Welded  w/stainless steel shaft
- Frame:  Mild Steel  Stainless
- Chain Guard:  Mild Steel  Fiber  Stainless
- Finish:  FDA White Epoxy  Epoxy  Glass Bead
- Slider Bed position:  1-inch from bottom of aperture  Other \_\_\_\_\_

Headquarters or Field Office Signature \_\_\_\_\_

Customer Signature \_\_\_\_\_